AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application:

1. (Original) A computer system comprising:

an application;

a sub-system for having an interaction with the application;

an interceptor system including:

a proxy having an interaction with the application,

a customization module providing a customization and having an interaction with the proxy, and

a dispatcher having an interaction with the customization module and having an interaction with the sub-system;

a customization repository for containing the customization module;

a service having an interaction with the customization repository;

a client having an interaction with the service; and

a control having an interaction with the customization repository and the service for causing customization of the service and the client by disposing the proxy of the interceptor system to interact with the application and the dispatcher of the interceptor system to interact with the sub-system.

2. (Original) The computer system as claimed in claim 1 wherein:

the client has an interaction with the customization repository, the client responsive to the control through the service for causing customization of the service and the client by disposing the proxy of the interceptor system to interact with the application and the dispatcher of the interceptor system to interact with the sub-system.

3. (Original) The computer system as claimed in claim 1 including:

a customization developer system having an interaction with the customization repository for providing customizations thereto while the service is interacting with the client.

1   4.   (Currently Amended) The computer system as claimed in claim 1 including:

2   a plurality of customization modules, each of the plurality of customization modules

3   having a different customization;

4   and wherein:

5   the proxy includes a customization control for controlling the interaction of the ~~purality~~

6   plurality of customization modules with the proxy.

1   5.   (Currently Amended) The computer system as claimed in claim 1 including:

2   a ~~purality~~ plurality of sub-systems;

3   a plurality of customization modules, each of the plurality of subsystems having one of

4   the plurality of customization modules having a different function; and

5   a customization control for controlling the interaction of the ~~purality~~ plurality of

6   sub-systems with the dispatcher.

1   6.   (Currently Amended) The computer system as claimed in claim 1 wherein:

2   the service includes a customization deployment interface for interacting with the control

3   to cause a group ~~consisting of~~ including the service[[,]] and the client~~, and a~~

4   ~~combination thereof~~ to obtain a customization.

1   7.   (Original) The computer system as claimed in claim 1 wherein:

2   the customization module is for customization of a non-functional property of the

3   computer system.

1   8.   (Original) The computer system as claimed in claim 1 wherein:

2   the customization module is selected from a group consisting of performance related,

3   security related, and failure related modules.

1   9.   (Currently Amended) A computer system comprising:

2   an application;

3   a sub-system for having an interaction with the application;

4   an interceptor system <u>between the application and the sub-system</u> including:

5   a proxy having an interaction with the application and including a customization

6   control ~~for controlling the interaction of the customization module with~~

7   ~~the proxy,~~

8   a <u>first</u> customization module providing a <u>first</u> customization for a <u>first</u>

9   non-functional property of the computer system and having an interaction

10   with the proxy, and

11   a dispatcher having an interaction with the customization module and having an

12   interaction with the sub-system;

13   a customization repository for containing [[the]] <u>a second</u> customization module[[;]]

14   <u>providing a second customization for a second non-functional property,</u>

15   <u>the customization control to add the second customization module to the interceptor</u>

16   <u>system while the application is running.</u>

17   ~~a service having an interaction with the customization repository;~~

18   ~~a client having an interaction with the service; and~~

19   ~~a control having an interaction with the customization repository and the service~~

20   ~~for causing customization of the service and the client by disposing the~~

21   ~~proxy of the interceptor system to interact with the application and the~~

22   ~~dispatcher of the interceptor system interact with the sub-system.~~

1   10.   (Currently Amended) A computer system comprising:

2   an application;

3   a plurality of sub-systems for having an interaction with the application;

4   an interceptor system including:

5   a proxy having an interaction with the application and including a customization

6   control ~~for controlling the interaction of the customization module with~~

7   ~~the proxy,~~

8   a plurality of customization modules providing customizations for a plurality of

9   non-functional properties of the computer system and having an

10   interaction with the proxy <u>as controlled by the customization control</u>, and

11   a dispatcher having a selectable interaction with the plurality of customization

12   modules and having an interaction with the plurality of sub-systems;

13   a customization repository for containing the customization ~~module;~~ <u>modules.</u>

14   ~~a service having an interaction with the customization repository;~~

15   ~~a plurality of clients having an interaction with the service; and~~

16   ~~a control having an interaction with the customization repository and the service for~~

17   ~~causing customization of the service and the plurality of clients by disposing the~~

18   ~~proxy of the interceptor system to interact with the application and the dispatcher~~

19   ~~of the interceptor system selectively interact with the plurality of sub-systems.~~

1   11.   (Currently Amended) A software system comprising:

2   an application;

3   a sub-system to interact ~~for having an interaction~~ with the application; and

4   an interceptor system <u>between the application and sub-system,</u> including:

5   a proxy <u>to interact</u> ~~having an interaction~~ with the application;

6   a <u>first</u> customization module providing a <u>first</u> customization<u>, the first</u>

7   <u>customization module to interact</u> ~~and having an interaction~~ with the proxy;

8   [[and]]

9   a dispatcher <u>to interact</u> ~~having an interaction~~ with the customization module and

10   ~~having an interaction~~ with the sub-system<u>; and</u>

11   <u>a second customization module providing a second customization, the second</u>

12   <u>customization module to interact with the proxy and the dispatcher,</u>

13   <u>the interceptor system to enable addition of the second customization module to</u>

14   <u>the interceptor system while the application is running.</u>

1   12.   (Currently Amended) The software system as claimed in claim 11 including:

2   a control for causing the proxy of the interceptor system to interact with the application

3   and the dispatcher of the interceptor system <u>to</u> interact with the sub-system.

1   13.   (Currently Amended) The software system as claimed in claim 11 including:

2   ~~a plurality of customization modules; and~~

3   a customization developer system for <u>developing additional</u> ~~providing customizations to~~

4   ~~one of the plurality of~~ customization modules<u>; and</u>

5   <u>a customization repository to store the additional customization modules,</u>

6   <u>the additional customization modules in the customization repository to be communicated</u>

7   <u>to the interceptor system over a link</u> ~~while another of the plurality of~~

8   ~~customization modules is inteacting with the proxy and the dispatcher.~~

1   14.   (Currently Amended) The software system as claimed in claim 11 ~~including:~~

2   ~~a plurality of customization modules, each of the plurality of customization modules~~

3   ~~having a different customization;~~

4   ~~and~~ wherein:

5   the proxy includes a customization control for controlling the interaction of the ~~purality~~

6   ~~of~~ <u>first and second</u> customization modules with the proxy.

1   15.   (Currently Amended) The software system as claimed in claim 11 including:

2   a ~~purality~~ <u>plurality</u> of sub-systems; <u>and</u>

3   ~~a plurality of customization modules, each of the plurality of subsystems having one of~~

4   ~~the plurality of customization modules having a different function; and~~

5   a customization control for controlling the interaction of the purality of sub-systems with

6   the dispatcher connected to a group ~~consisting of~~ <u>including</u> the application, the

7   proxy, <u>and</u> the dispatcher~~, and a combination thereof~~.

1   16.   (Original) The software system as claimed in claim 11 including:

2   a service;

3   a client;

4   and wherein:

5   the interceptor system is in the client and is responsive to the service.

1   17.   (Original) The software system as claimed in claim 11 wherein:

2   the customization module is for customization of a non-functional property of the

3   software system.

1   18.   (Original) The software system as claimed in claim 11 wherein:

2   the customization module is selected from a group consisting of performance related,

3   security related, and failure related modules.

1   19.   (Original) A software system comprising:

2   an application;

3   a sub-system for having an interaction with the application; and

4   an interceptor system including:

5   a proxy having an interaction with the application and including a customization

6   control ~~for controlling the interaction of the customization module with~~

7   ~~the proxy~~;

8   a customization module <u>to perform</u> ~~providing a customization for~~ a non-functional

9   ~~property~~ <u>operation</u> of the software system and having an interaction with

10   the proxy<u>, the non-functional operation comprising a failover operation,</u>

11   <u>the customization control to control interaction of the customization module with</u>

12   <u>the proxy</u>; and

13   a dispatcher having an interaction with the customization module and having an

14   interaction with the sub-system.

1   20.   (Currently Amended) A software system comprising:

2   an application;

3   a plurality of sub-systems for having an interaction with the application; and

4   an interceptor system including:

5   a proxy having an interaction with the application and including a customization

6   control for controlling the interaction of the customization module with

7   the proxy;

8   a plurality of customization modules providing customizations for a plurality of

9   non-functional properties of the software system and having an interaction

10   with the proxy<u>, the non-functional properties comprising at least failure</u>

11   <u>masking and performance measurement</u>; and

12   a dispatcher having a selectable interaction with the plurality of customization

13   modules and having an interaction with the plurality of sub-systems.

1   21.   (New) The software system of claim 11, the interceptor system to enable removal

2   of the first customization module while the application is running.

1   22.   (New) The software system of claim 11, wherein the customization provided by

2   the first customization module comprises at least one of performance measurement and failure

3   masking.

1   23.   (New) The software system of claim 11, wherein the proxy has an interface to the

2   application; and the first customization module has a first interface to the proxy, and a second

3   interface to the dispatcher.

1   24.   (New) The software system of claim 19, wherein the interceptor system further

2   includes additional customization modules to perform respective additional non-functional

3   operations, the additional non-functional operations comprising performance measurement and

4   error handling.

1   25.   (New) The computer system of claim 1, the customization repository to store an

2   additional customization module providing another customization, the control to add the

3   additional customization module to the interceptor system while the application is running.

1   26.   (New) The computer system of claim 9, wherein the first non-functional property

2   comprises failover control.

1   27.   (New) The computer system of claim 9, wherein the first non-functional property

2   comprises error handling and the second non-functional property comprises performance

3   measurement.

1   28.   (New) The computer system of claim 9, wherein the first non-functional property

2   comprises failure masking.